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Why Building Works, With Mare Donaldson

By Jeff Emtman

Why are Americans forgetting how to build houses? Mare Donaldson, a former architect and current professor of construction management at Portland State University, has a theory. It's not that we've lost the ability to build houses, it's that we've lost the ability to build houses well. And that's because, as Donaldson explains, the real value of a house isn't in how it's visually appealing, rather, it's in how it's structurally sound. Donaldson's theory is that we've lost the ability to build houses well because we've lost the ability to value them for what they are: structures. We've become so focused on the aesthetic that we've forgotten what's underneath it.

Mare Donaldson's book, *Why Buildings Work*, is a guide to the workings of modern homes. It's a book that's meant to be read by anyone who's ever lived in a house, but it's also a book that's meant to be read by anyone who's ever wanted to live in a house. It's a book that's meant to be read by anyone who's ever wanted to live in a house that's structurally sound.

Mare Donaldson: The basic principle behind the workings of modern homes is that they're made up of a series of layers. The first layer is the foundation, which is the part that's in the ground. The second layer is the structure, which is the part that's above the ground. The third layer is the envelope, which is the part that's on the outside of the house. The fourth layer is the interior, which is the part that's on the inside of the house.

Each layer has a specific function. The foundation supports the structure, the structure supports the envelope, and the envelope protects the interior. The interior is the part that's most visible to the occupants of the house, but it's also the part that's most vulnerable to damage.

The problem is that we've become so focused on the interior that we've forgotten about the other layers. We've become so focused on the aesthetic that we've forgotten about the structure. We've become so focused on the structure that we've forgotten about the foundation.

Mare Donaldson: The result is that we've built houses that are structurally unsound. We've built houses that are prone to damage from water, from fire, from earthquakes. We've built houses that are not safe to live in.

Mare Donaldson: The solution is to go back to the basics. We need to start building houses that are structurally sound. We need to start building houses that are safe to live in. We need to start building houses that are built to last.

Mare Donaldson: It's not going to be easy. It's going to require a lot of work. It's going to require a lot of money. But it's going to be worth it. Because at the end of the day, a house is more than just a place to live. It's a place to call home.

Mare Donaldson: And that's what we've forgotten. We've forgotten that a house is more than just a place to live. It's a place to call home. It's a place to raise a family. It's a place to build a life.

Mare Donaldson: So let's start building houses that are worthy of that name. Let's start building houses that are structurally sound. Let's start building houses that are safe to live in. Let's start building houses that are built to last.

Mare Donaldson: Because at the end of the day, that's what we're all looking for. We're all looking for a place to call home.

Mare Donaldson: Thank you.

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